

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows. This listing of the claims will replace any prior listing of the claims of record.

1. (Currently amended) A wood-type golf club head having
a head volume V of not less than 300 cc, and
a gravity point distance C (mm) satisfying the following
condition (1) and condition (4)

$$(1) \quad C \leq 0.12 \times V^{-8}$$

$$(4) \quad C \geq 0.12 \times V^{-20}$$

wherein

in a state of the club head which is set on a horizontal plane HP such that a club shaft center line CL is inclined at its lie angle beta while keeping the club shaft center line CL on a vertical plane VP1, and the club face is inclined at its face angle delta with respect to the vertical plane VP1,

the gravity point distance C is defined as the shortest distance between the shaft center line CL and a projected gravity point Ga which is the gravity point G of the club head projected on the vertical plane VP1 ~~perpendicularly to the vertical plane VP1,~~ wherein

in a cross section of the club head along the vertical plane VP1, the shortest distance E between a heel end and the shaft center line CL is in a range of from 8 to 16 mm, wherein the heel end is defined as the farthest point from the shaft center line

CL in the direction perpendicular to the shaft center line CL
towards the heel of the head,

the ratio (M/V) of the moment of inertia M (g·sq.cm) of the
club head around a vertical axis passing through the gravity
point of the club head to the head volume V (cc) is in a range of
not less than 9.0, and

a sweet spot height is in a range of from 25 to 40 mm.

2. (Original) A golf club head according to claim 1, wherein
the head volume V (cc) and gravity point distance C (mm)
satisfy the following condition (2)

$$(2) \quad C \leq 0.12 \times V^{-10}.$$

3. (Original) A golf club head according to claim 1, wherein
the head volume V (cc) and gravity point distance C (mm)
satisfy the following condition (3)

$$(3) \quad C \leq 0.12 \times V^{-12}.$$

4. (Canceled)

5. (Original) A golf club head according to claim 1, 2 or 3,
wherein

the head volume V (cc) and gravity point distance C (mm)
satisfy the following condition (5)

$$(5) \quad C \geq 0.12 \times V^{-18}.$$

6. (Canceled)

7. (Original) A golf club head according to claim 1, 2 or 3, wherein

the ratio (M/V) of the moment of inertia M (g·sq.cm) of the club head around a vertical axis passing through the gravity point of the club head to the head volume V (cc) is in a range of from 9.0 to 11.0.

8.- 9. (Canceled)

10. (New) A golf club head according to claim 1, which is composed of an open-front hollow main body, and a face plate attached to the front of the main body.

11. (New) A golf club head according to claim 1, which is composed of an open-front hollow main body, and a face plate attached to the front of the main body, so that the golf club head has a closed hollow.

12. (New) A golf club head according to claim 10 or 11, wherein the main body and face plate are each made a titanium alloy, and the face plate is welded to the main body.

13. (New) A method of manufacturing a wood-type golf club head according to claim 1 comprising:

selecting a value of the head volume V from a range of not less than 300 cc;

selecting a value of the sweet spot height from a range of from 25 to 40 mm;

selecting a value of the gravity point distance C (mm) to satisfy the following condition:

$$0.12 \times V - 20 \leq C \leq 0.12 \times V - 8$$

wherein

in a state of the club head which is set on a horizontal plane HP such that a club shaft center line CL is inclined at its lie angle beta while keeping the club shaft center line CL on a vertical plane VP1, and the club face is inclined at its face angle delta with respect to the vertical plane VP1,

the gravity point distance C is defined as the shortest distance between the shaft center line CL and a projected gravity point Ga which is the gravity point G of the club head projected on the vertical plane VP1;

selecting a value of the distance E from a range of from 8 to 16 mm, wherein

the distance E is the shortest distance between a heel end and the shaft center line CL in a cross section of the club head along the vertical plane VP1, and

the heel end is defined as the farthest point from the shaft

center line CL in the direction perpendicular to the shaft center line CL towards the heel of the head;

selecting a value from a range of not less than 9.0 for the ratio (M/V) of the moment of inertia M ($\text{g} \cdot \text{sq.cm}$) of the club head around a vertical axis passing through the gravity point of the club head to the head volume V (cc); and

making the club head having the head volume V , sweet spot height, gravity point distance C (mm), distance E and ratio (M/V) .